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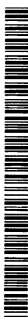
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(71) Applicant (for all designated States except US): THE  
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upon receipt of that report.(72) Inventor; and  
(75) Inventor/Applicant (for US only): FRANK, R. Keith  
[US/US]; 213 Pansy Path, Lake Jackson, TX 77566 (US).For two-letter codes and other abbreviations, refer to the "Guide-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.(74) Agent: KARADZIC, Dragan, J.; Intellectual Property,  
B-1211, 2301 N. Brazosport Boulevard, Freeport, TX  
77541 (US).

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(54) Title: AMINOALKYLENEPHOSPHONATES FOR TREATMENT OF BONE DISORDERS

(57) Abstract: A method for preventing or minimizing loss of bone mineral in mammals which method comprises administering to a mammal an amount of an aminoalkylenephosphonate which is effective to prevent or minimize loss of bone mineral density. The aminoalkylenephosphonates of the present invention should have at least one R-N(Alk-PO<sub>3</sub>H<sub>2</sub>)<sub>2</sub> group or at least two RRN-Alk-PO<sub>3</sub>H<sub>2</sub> groups wherein R and R can be, same or different, aliphatic or cyclic moiety, and Alk is an alkylene group having from 1 to 4 carbon atoms.